

The National Map Download Manager

User Guide

November 25, 2014

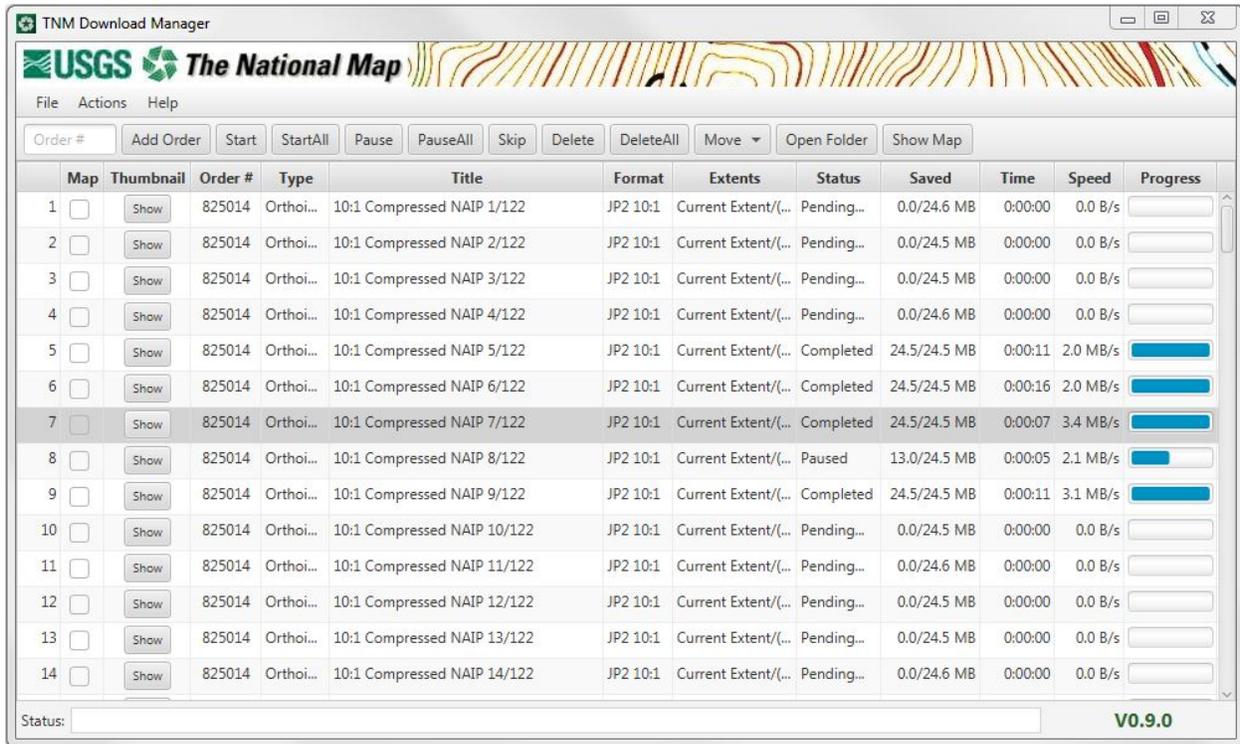


Figure 1. The National Map Download Manager main window

Introduction

The National Map Download Manager is a stand-alone program, allowing users to download data product orders. The Download Manager works in conjunction with the The National Map Viewer and Download Platform (<http://viewer.nationalmap.gov/viewer>) to make obtaining products easier. Selecting individual links from an order email, and downloading them one at a time is no longer required.

Purpose of Beta Release

The purpose of the beta release of the The National Map Download Manager is intended to give a select group of users the opportunity to try the application outside of the development environment. The beta release phase is a testing phase, so feedback from users regarding bugs, enhancements, etc., is encouraged and can be sent to tnm_help@usgs.gov. This email address has also been provided in the Help>About dialog. New versions of the Download Manager will be released periodically and these releases will primarily pertain to addressing bug fixes. See the "Installation" section on how to stay up-to-date with the latest release.

Installation

Two options are provided for installation of the *The National Map* Download Manager. The first option is the easiest way to make sure you are using the latest release. A launch button on the Download Manager's home page [website](#) will download the application and start it. This option will make a check each time the application is started to verify the latest version is installed. If the latest version is not installed, it will then be downloaded and started. An added bonus to this option is the addition of desktop and menu shortcuts, which work the same way as the launch button, without the need to go to the website.

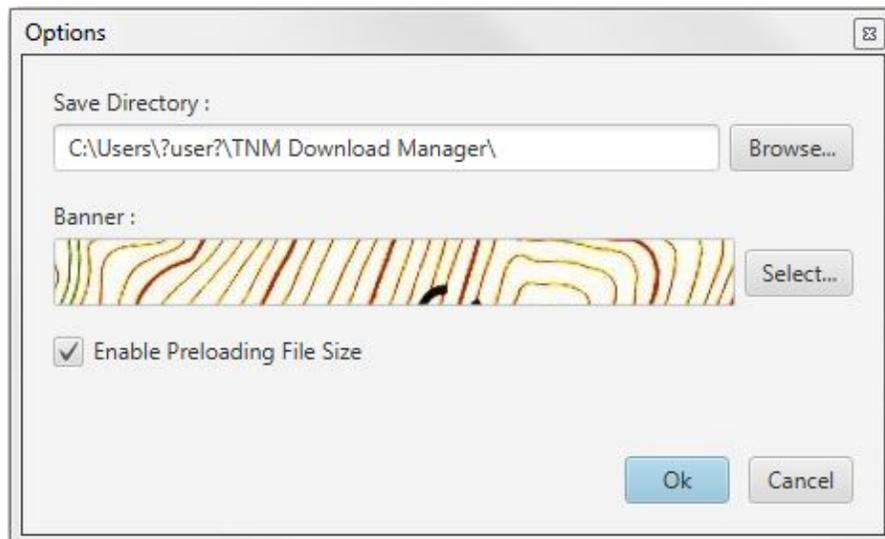
The second option is a direct download of an executable jar file, which does require the user to have at least Java version 1.7.0_67 installed. To get most recent Java, go to [Java.com](#) and select the correct file for your operating system. Double clicking on this file will start the Download Manager. There is no automatic update feature associated with this option, so the user will have to periodically check the website for the latest version.

Overview of Features and Interface

The most notable feature of the *The National Map* Download Manager is the ability to enter an order number and have the associated products automatically loaded into the application. Additionally, there is an option to add a single item. The available download controls support starting, pausing, skipping, and deleting either individual or all items in the list in some cases. The list is automatically saved when exiting the application, so an order (or orders) do not need to be reloaded each time it is started. The export/import features allow users to export or import a CSV file of the download list.

File Menu

- Options: opens the Options dialog box shown below.
 - Save Directory Browse: opens a dialog box to select the directory for saving the downloaded files. The default is "TNM Download Manager" under the user's home directory.
 - Banner Select: opens a list for selecting an image to be displayed as part of the banner on the main window.
 - Enable Preloading File Size: causes the product file size to be loaded in the background once an order has been loaded.



- Import: opens an open dialog box to locate a CSV file and appends it's contents to the download list.
- Export: opens a save dialog box to export the current download list to a CSV file.
- Exit: closes the application.

Action Menu

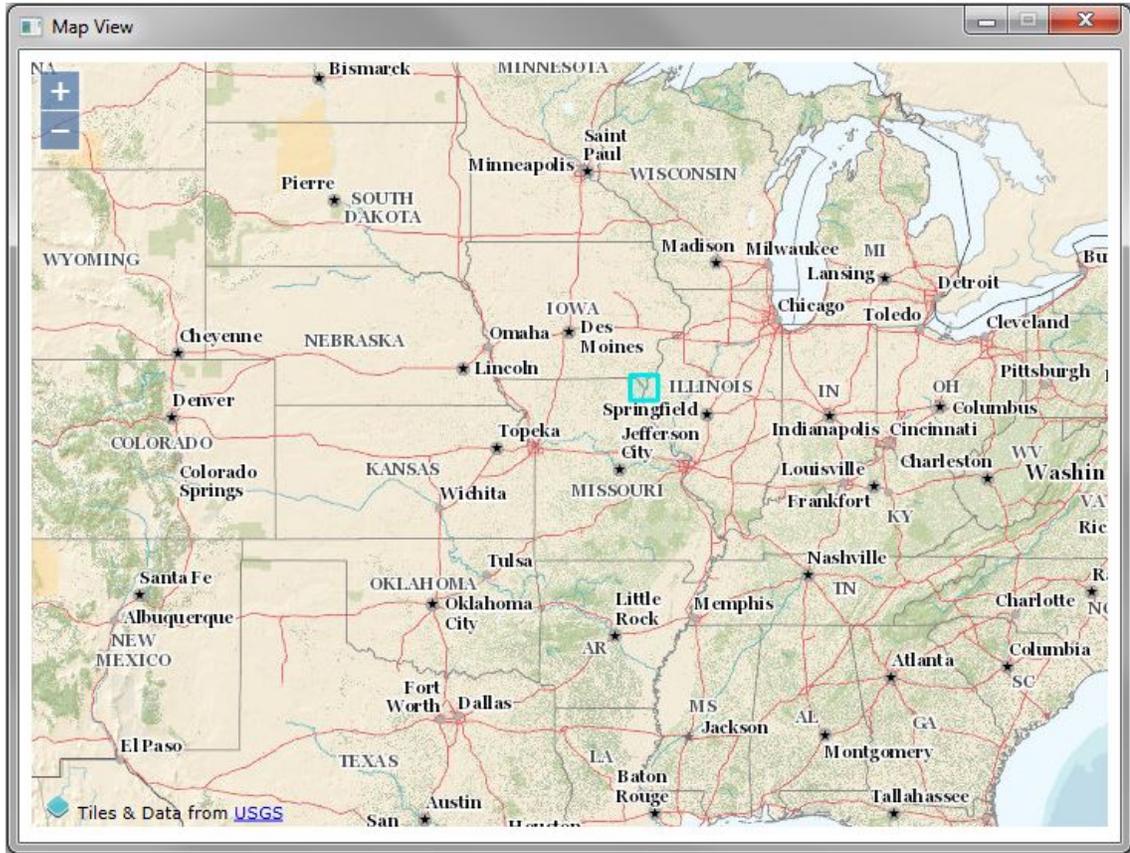
- Add Single: opens the “Add Single” dialog box shown below. Each field corresponds to a heading on the order email. The *Download Link* field is required and the *Title* field is recommended.

The following actions are also included on the toolbar.

- Add Order: opens the “Add Order” dialog box shown below.

- Start: starts downloading the selected item. Also, will redownload an item that has previously been completed or will start an item that has been skipped.
- StartAll: starts sequentially downloading the list from the beginning. Items marked “Completed” or “Skipped” will not be downloaded.
- Pause: pauses the download process of the selected item(s).
- PauseAll: pauses the downloading of all items in the list.
- Skip: causes the selected item(s) to be skipped, when the list is being processed sequentially.
- Delete: deletes the selected item(s) from the list.
- DeleteAll: deletes all items from the list.
- Move Up: moves the selected item(s) up one row.

- Move Down: moves the selected item(s) down one row.
- Move Top: moves the selected item(s) to the top of the list.
- Move Bottom: moves the selected item(s) to the bottom of the list.
- Open Folder: opens the save directory for the selected item, or the directory shown in the Options Dialog if no item is selected.
- Show Map: opens a map window that displays the boundaries of an order and/or item(s).



CSV Import/Export

Exporting or importing a CSV file will not clear the download items currently in the list. For an example of a download list that has been exported to a CSV file, click [here](#). There are six columns that get exported from the list. They are Url, Title, OrderNum, Type, FileFormat, Extents, and BoundingBox. These column headers correspond to the headers shown in the order email, also. There are a few rules that must be followed when creating your own CSV file for importing:

- Url, Title, OrderNum, Type, FileFormat, Extents, and BoundingBox are the only header names that can be used, but they do not have to be in the order shown.
- The Url column and header is the only one that must be included.
- Any cell that is left open must have a double comma between the column preceding and following it.

Map View Feature

The map view feature can be used to display two types of boundary areas. The first type is the bounding box used to create an order in the *The National Map Viewer*. The second type is the boundary box of an individual product that was selected using the new Bulk Download Client. Both can be displayed by checking

the box in the Map column of an item, then selecting the “Show Map” button. At this time, the map does not support dynamically updating the bounding boxes being displayed. For this reason, the map view must be closed and reopened to display different boundary areas.

Miscellaneous Features

- A thumbnail preview of a product can be shown by selecting the “Show” button in the “Thumbnail” column of that product.
- Show/hide columns by right clicking on a column header and select the columns to show or hide.